

# Thermal Transfer Color Plotters

## Versacolor, 2700 Series, (11-inches)



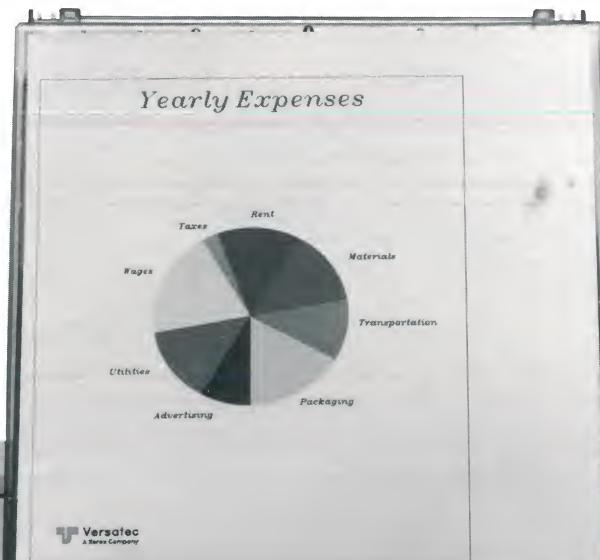
**Now available, thermal transfer full color hard copy in narrow formats.**

- Offers high resolution of 300 ppi for smooth curves
- Full color A-size plots are ready in 45 seconds, B-size in 60 seconds
- Produces color or monochrome output in A (8½ x 11") and B (11 x 17") U.S. sizes, or A4 (210mm x 297mm) and A3 (297mm x 420mm) international sizes
- Seven dot colors and over 2048 color shades are available to the user with Versatec software
- Uses both cut-sheet paper and transparencies
- Unique easy load dry ink donor roll cartridge makes changing donor rolls fast and simple
- Use with Versatec Model 250 or 255 RGB video controllers for CRT hard copy and with 800 series rasterizers for fast vector to raster conversion

- Compatible with Versatec interfaces, software and controllers
- AT&T TARGA output capability

Versatec expands its offering of color hard copy products with Versacolor, a new desktop thermal transfer color plotter. Versacolor is a compact plotter which can easily be configured to A or B-size plots in monochrome or color on paper or film. Use Versacolor for fast output of computer graphics renderings from your host computer, personal computer or workstation.

Versacolor offers 300 ppi resolution and produces full color hard copy faster than any other thermal transfer unit in its price range. Plot colorful drawings, graphics, charts and maps that are bright and sharp. A full color A/A4 size drawing is ready in 45 seconds, monochrome in 15 seconds. B/A3-size plots are processed in 60 seconds, monochrome in 20 seconds.



Unique easy load donor roll cartridge makes changing the dry ink donor roll a snap. Much easier than most other thermal plotters. Individual media cassettes store paper or film in different sizes. In addition to U.S. ANSI standard A and B-sizes, Versacolor supports ISO/DIN output standards; A4 (210mm x 297mm) and A3 (297mm x 420mm). Use paper for check plots and reports. Transparency film is perfect for overheads of business graphics. Images are clean, smudge-free and archival. Colors don't fade over time.

A special TARGA plotting package available from Versatec, allows the user to output images from IBM PC's equipped with a TARGA board. TARGA captures full color images, from video signals, which can be output in seconds to Versacolor.

#### **The thermal transfer process.**

Versacolor uses heat and pressure to produce high quality plots. Dry ink donor rolls are used to produce the color. This makes Versacolor one of the easiest and cleanest plotters to use.

Donor rolls are covered with a translucent wax based ink. Yellow, magenta and cyan ink panels are in sequence on the color donor roll. Both the donor roll and media pass over the thermal print head which applies heat and melts the ink onto the media. A pressure roller is used to help press the melted wax ink onto the media.

A multiple pass technique is used (one for each primary color). At the end of each pass the media is backed up and then passes over the thermal print head to receive the next primary color.

All three passes are used to produce a crisp black, or if the user wishes an optional four color donor roll with a true black can be used. Users may purchase black monochrome donor rolls for fast monochrome plotting.

#### **A full range of color.**

Versacolor offers the user seven different dot colors and over 2048 color shades when using Versatec's Versaplot software. Detailed graphics, printed circuit boards, integrated circuits, business graphics, solids modeling and other data are more easily distinguishable with color.

#### **Fast processing.**

Capture your color drawings directly from your CRT screen with Versacolor and Versatec's Model 250 or 255 RGB video controllers. CRT data is captured in seconds and output to Versacolor. Versacolor allows you to get high quality hard copy quickly without tying up your terminal for minutes at a time.

Versacolor is also compatible with Versatec's RPM 800 series of rasterizers. The RPM 800 series quickly processes data and removes the burden from the host, saving valuable CPU time. RPM can drive your plotter at full speed and produce complex high resolution plots.

#### **Special features.**

Versacolor has an operator's panel which includes keys for color intensity, enlargement and form feed. Enlargement capabilities are available in three sizes: 2x2; 3x3; and 2x4. Switches indicate errors such as media out, donor roll out, jams, cover open and overheating.

Compact in size, about the size of a typewriter, Versacolor can easily fit on a desktop. Quiet operation enables office environment operation. Keep it next to your terminal for quick and handy output.

#### **Interfaces.**

A Versatec parallel interface with Versatec Color Data Protocol is standard on Versacolor. This interface makes Versacolor compatible with Versatec controllers and software. A Centronics parallel interface is also available.

#### **Software support.**

Integrated Versaplot software packages are available for plotter operation. Versaplot Random Enhanced 2.1 software supports output to Versacolor from most popular computers. Fast FORTRAN callable subroutines compatible with basic pen plotter routines, allow most user and commercial programs to output to Versacolor.

#### **Supplies features.**

Versatec supplies are designed expressly for use on the Versacolor thermal transfer plotter. Choose from paper or a transparency film. Donor rolls are available in monochrome and three or four colors, and are easily replaceable. A light on the operator panel will let you know when it is time to replenish media or the donor rolls. Versacolor supplies won't spill or cause a mess.

## Specifications

Writing Method	Thermal transfer	
Media Sizes		
Model 2756 (US ANSI A-size)	8½ x 11 inches	
(US ANSI B-size)	11 x 17 inches	
Model 2766 (ISO A4-size)	297mm x 210mm	
(ISO A3-size)	420mm x 297mm	
Donor rolls	Three color	Yellow, magenta, cyan
	Four color	Yellow, magenta, cyan, black
	Monochrome	Black
Voltage Requirements	90–130 VAC or 180–260 VAC switch selectable	
Power Source Frequency	50/60 Hz ±3 Hz	
Power Consumption	600 VA maximum	
Operating Environment	Temperature, ±5°C to ±35°C (±41°F to ±95°F) Humidity 30% to 80% RH (Non-condensing)	
Standards (EMI/RFI)	UL, CSA, VDE: FCC Class B, VDE Class B	
Dimensions	9.5" H x 21" W x 19.7" D (245mm x 530mm x 500mm)	
Weight	81.4 lbs. (37 kg)	

## Plotting Specifications

Resolution	300 points-per-inch		
Plotting Speed	3-Color	4-Color	Monochrome
A-Size (8½" x 11")	45 seconds	60 seconds	15 seconds
A4-Size (210mm x 297mm)	45 seconds	60 seconds	15 seconds
B-Size (11" x 17")	60 seconds	80 seconds	20 seconds
A3-Size (297mm x 420mm)	60 seconds	80 seconds	20 seconds
Plotting Image size (max.)	A-size page	8.11" x 8.91"	
	A4-size page	200mm x 244mm	
	B-size page	10.66" x 14.91"	
	A3-size page	287mm x 367mm	
Dot Size	Average 2.7 x 4.3 mils (varies depending on density of plot)		
Plot Bytes per Scan	A-size (304)	B-size (400)	A4-size (296)
A3-size (424)			
Data Rate at Maximum Speed	128K bytes per second (A3-size)		
Linearity of Printing	0.5mm (0.02 mil)		
Color Registration (vertical and horizontal)	Mean value X, Y ≤ 0.1mm (4 mil) Maximum value X Max, Y Max ≤ 0.2mm, (8 mil)		
Input Connector	37 pin (Versatec parallel), 36 pin (Centronics)		
Data Input	Versatec parallel differential interface standard		
Color Data Input	Versatec color data protocol		

Specifications subject to change without notice.

## Operating Supplies

Versatec recommends Versatec supplies for consistent, high-quality output. One toll-free call from anywhere in the continental U.S.A. to a Versatec supplies sales specialist assures prompt delivery of quality media and ink donor rolls designed specifically for your machine. Call toll free (800) 538-6468. In California, call (800) 672-3307.

## Spares

Spare parts and recommended spares listing for all plotters are available through Versatec's logistics department by calling toll free (800) 538-8315. In California, call (408) 988-2800.

## Available Service

Conveniently located service centers provide prompt, qualified installation and a choice of on-call or full maintenance service plans. For specific information on service centers located in the United States and in other countries, please call your local Versatec sales engineer.

## Ordering Information

<b>Models</b>	<b>C2756-VV</b> Thermal transfer color plotter, 300 ppi A and B-size, Versatec Interface
	<b>C2766-VV</b> Thermal transfer color printer, 300 ppi A4 and A3-size, Versatec Interface
	<b>C2756-CM</b> Thermal transfer color plotter, 300 ppi A and B-size, Centronics Interface
	<b>C2766-CM</b> Thermal transfer color plotter, 300 ppi A4 and A3-size, Centronics Interface
<b>Accessories</b>	<b>TT-PC56</b> Power cable 110V <b>TT-PC66</b> Power cable 220V <b>TT-MCA</b> Media cassette A-size (8½" × 11") <b>TT-MCB</b> Media cassette B-size (11" × 17") <b>TT-MCA4</b> Media cassette A4-size (210mm × 297mm) <b>TT-MCA3</b> Media cassette A3-size (297mm × 420mm) <b>TT-PS</b> Paper stacker <b>TT-HC</b> Head cleaner <b>TT-IRC</b> Ink donor roll cartridge tray
<b>Media</b>	<b>TT4908-CS</b> A-size paper, 500 sheets/ream, 4 reams/carton <b>TT4911-CS</b> B-size paper, 500 sheets/ream, 4 reams/carton <b>TT49A4-CS</b> A4-size paper, 500 sheets/ream, 4 reams/carton <b>TT49A3-CS</b> A3-size paper, 500 sheets/ream, 4 reams/carton <b>TT4908-CC</b> A-size film, 100 sheets/ream, 2 reams/carton <b>TT4911-CC</b> B-size film, 100 sheets/ream, 2 reams/carton <b>TT49A4-CC</b> A4-size film, 100 sheets/ream, 2 reams/carton <b>TT49A3-CC</b> A3-size film, 100 sheets/ream, 2 reams/carton
<b>Ink Donor Rolls</b>	<b>TT4908-3I</b> 3 color ink donor roll A/A4-size (4 per carton) <b>TT4997-3I</b> 3 color ink donor roll B/A3-size (4 per carton) <b>TT4908-4I</b> 4 color ink donor roll A/A4-size (4 per carton) <b>TT4997-4I</b> 4 color ink donor roll B/A3-size (4 per carton) <b>TT4008-IR</b> Black ink donor roll A/A4-size (4 per carton) <b>TT4097-IR</b> Black ink donor roll B/A3-size (4 per carton)
<b>Manuals</b>	<b>5991-01</b> Operator guide <b>5991-01</b> Maintenance manual

### Information to Specify When Ordering

- Model number and description
- Supplies required

### Other Versatec Products

In addition to this product, Versatec offers:

- Fast, versatile color plotting with 11, 24, 36 and 44-inch Versatec electrostatic color plotters in 200 or 400 ppi resolutions
- Multi-media monochrome plotters, handling film and paper in widths of 11, 22, 24, 36, and 44 inches

- An IBM PC Interface which enables IBM PC/AT users to output data to Versatec electrostatic plotters
- Aperture Card Raster Input Scanner for fast processing and plotting of aperture card drawings
- Fast, efficient plotting software for most popular computers and operating systems
- Opaque and translucent paper, electrographic film, toners and related electrographic supplies
- Narrow plotter cleaning kit
- On-line controllers for most popular computers
- Input/output multiplexers for sharing resources
- Remote printing and plotting systems
- Remote and off-line plotting workstations for local graphics manipulation
- RGB Video Controller allowing color video images to be output as hard copy on Versatec printer/plotters
- A family of high speed controllers (Raster Processing Machines) that reduce the burden on the host computer by off-loading data ordering and rasterization.



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